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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kenichi KOYAKUMARU, et al.

SERIAL NO: 10/522,195

GAU:

FILED: January 24, 2005

EXAMINER:

FOR: PROCESS FOR PRODUCING 2-SUBSTITUTED PYRIDINE DERIVATIVE

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## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

## REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

## DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 264982US0PCT		SERIAL NO. 10/522,195	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Kenichi KOYAKUMARU, et al.					
		FILING DATE January 24, 2005				GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5 693 611	12/02/97	ELI LILLY AND CO.			
	AB	6 169 184	01/02/01	BASF AG.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AJ	2000-80082	03/21/00	JP (with English abstract)	YES		NO
	AK	98/07700	02/26/98	WO (with English abstract)			NO
	AL	01/04076	01/18/01	WO (with English abstract)			NO
	AM	99/65896	12/23/99	WO			NO
	AN	11-269147	10/05/99	JP (with English abstract)			NO
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AO	BONNET, Veronique et al. "Syntheses of substituted pyridines, quinolines and diazines via palladium-catalyzed cross-coupling of aryl Grignard reagents", Tetrahedron, vol. 58, no. 22, pages 4429-4438 2002					
	AP	HEIRTZLER, Fenton R. et al. "Preparation and Characterization of Oligo-(2,2'-bipyridyl)pyrazines", Liebigs Ann./Recueil, pages 297-301 1997					
	AQ	WAKABAYASHI, Shoji et al. "A Cross-Coupling Reaction of Methylsulfinylarene", Bull. Chem. Soc. Jpn., vol. 62, no. 12, pages 3848-3850 1989					
	AR	JENSEN, Jacob et al. "Preparation of 2- and 5-Aryl Substituted Thiazoles via Palladium-Catalyzed Negishi Cross-Coupling", Synthesis, no. 1, pages 128-134 2001					
	AS	ZHANG, Nan et al. "Palladium-Catalyzed Selective Cross-Coupling between 2-Bromopyridines and Aryl Bromides", J. Org. Chem., vol. 66, no. 4, pages 1500-1502 2001					
	AT	HARGREAVES, Stephanie L. et al. "The synthesis of substituted pyridylpyrimidine fungicides using palladium-catalysed cross-coupling reactions", Tetrahedron Letters, vol. 41, no. 10, pages 1653-1656 2000					
	AU	LANGLI, Geir et al. "Regiochemistry in Stille Couplings of 2,6-Dihalopurines", Tetrahedron, vol. 52, no. 15, pages 5625-5638 1996					
	AV	SCHUBERT, Ulrich S. et al. "Stille-Type Cross-Coupling-An Efficient Way to Various Symmetrically and Unsymmetrically Substituted Methyl-Bipyridines: Toward New ATRP Catalysts", Organic Letters, vol. 2, no. 21, pages 3373-3376 2000				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner						Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. PCT Application Serial No.: 10/522,195  
Docket No.: 264982US0PCT

#### STATEMENT OF RELEVANCY

- 1) References AA, AB, AJ, AK, AO-AQ have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AL-AN, AR-AV are discussed in the specification. A copy of these references is being submitted here with.
- 4) References \_\_\_\_\_ are additional prior art known to Applicant. A copy of these references is being submitted herewith.